

as outlined in ANSI Standard C95.1 - 1982, this constitutes 20.9% of the permitted level.

Summing the percentage contributions of these two proposed facilities yields a worst case predicted power density at ground level of 39.6% of the permitted level. Thus, the power densities at ground level will not exceed those permitted by ANSI Standard C95.1 - 1982.

Compliance will also be maintained with the above standard with regard to occupational exposure to nonionizing radiation. Should work be necessary on the tower which will support this antenna, the proposed facility will, in conjunction with WBYG, reduce power or cease operation, as appropriate, should work be necessary in the areas where the power density will exceed the permitted level.

2.0 ALLOCATION CONSIDERATIONS

Figure 2.0 shows the proposed service and interference contours in relation to those of all other stations operating on Channels 201 through 204 requiring consideration. All contours were projected utilizing the notified facilities for each station and terrain data from the NGDC 30 second terrain database. As shown in this figure, the proposed facilities would not cause or receive any prohibited overlap.

Table 2.0 is an allocation study showing the actual and required separations with respect to Canadian stations operating on Channels 201 through 204 and all stations operating on Channels 254 and 255. As shown in this table, adequate separation exists from all facilities requiring consideration.

The protection standards with regard to television stations operating on Channel 6 are outlined in Section 73.525 of the FCC Rules. Stations operating on Channel 201 are required to give protection consideration to all Channel 6 TV stations located within 265 kilometers of their transmitter site. In this case, two TV stations require protection consideration:

WSYX - Columbus, OH (Lic. & App.)

WVVA - Bluefield, WV

Figure 2.1 is a map exhibit showing the predicted 47 dBu (Grade B) contours for WVVA and for the licensed and proposed facilities of WSYX. Also shown in this figure is the predicted 48 dBu contour for the facilities proposed in this application. As shown in this figure, the proposed 48 dBu contour will not overlap the 47 dBu contour of WVVA or the 47 dBu contour for the licensed WSYX facilities. There will be overlap, however, between the proposed 48 dBu contour and the 47 dBu contour for the facilities proposed in the WSYX application. As outlined in Section 73.525(e)(1)(iii) of the FCC Rules, however, this area of overlap falls outside the predicted proposed WSYX 68 dBu (Grade A) contour in an area where an adjustment of 6 dB is permitted for TV receiving

antenna directivity. Also shown in Figure 2.1 is the predicted 54 dBu contour for the proposed facilities. As shown in this figure, no overlap will occur between the proposed WSYX 47 dBu contour and the proposed 54 dBu contour. Thus, as defined by Section 73.525 of the FCC Rules, no interference will be caused to the reception of Channel 6 by the proposed facilities. Based upon this information, the proposed facilities fully comply with Section 73.525 of the FCC Rules regarding noncommercial educational FM interference to Channel 6.

MAP BASE:
WORLD AERONAUTICAL CHART
KANAWHA RIVER (358)
1:1,000,000

LEGEND

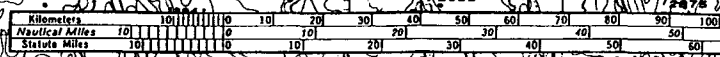
- 1 - PROPOSED NEW STATION - POINT PLEASANT, WV (CHANNEL 201)
- 1A - PROPOSED 80 dBu CONTOUR
- 1B - PROPOSED 60 dBu CONTOUR
- 1C - PROPOSED 54 dBu CONTOUR
- 1D - PROPOSED 40 dBu CONTOUR
- 2 - BPED-911107MA (App.) - CLARKSBURG, WV (CHANNEL 201)
- 2A - BPED-911107MA 60 dBu CONTOUR
- 2B - BPED-911107MA 40 dBu CONTOUR
- 3 - WMUL (Lic.) - HUNTINGTON, WV (CHANNEL 201)
- 3A - WMUL 60 dBu CONTOUR
- 3B - WMUL 40 dBu CONTOUR
- 4 - WMTR (Lic.) - MARIETTA, OH (CHANNEL 202)
- 4A - WMTR 60 dBu CONTOUR
- 4B - WMTR 54 dBu CONTOUR
- 5 - WOHP (CP) - PORTSMOUTH, OH (CHANNEL 202)
- 5A - WOHP 60 dBu CONTOUR
- 5B - WOHP 54 dBu CONTOUR
- 6 - WVPN (Lic.) - CHARLESTON, WV (CHANNEL 203)
- 6A - WVPN 80 dBu CONTOUR
- 6B - WVPN 60 dBu CONTOUR

FIG. 2.0

FM ALLOCATION STUDY

Positive Alternative Radio, Inc.
Point Pleasant, WV

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
216/859-4440



3.0 PROPOSED ANTENNA SYSTEM

The proposed antenna will be a Jampro JSCP-2 (DA) two bay circularly polarized directional antenna. Figure 3.0 is a vertical plan view of the proposed installation. Table 3.1 presents a tabulation of the proposed directional pattern. Figure 3.1 presents this same data in polar form. Finally, Figure 3.2 presents the proposed vertical radiation pattern for this antenna. It should be noted that the directional pattern shown herein is a composite envelope, or idealized pattern. When final pattern modeling is conducted by the antenna manufacturer, both the horizontally and vertically polarized radiation patterns will be totally encompassed within this envelope. Following the completion of this pattern modeling, the antenna will be mounted on the tower in accordance with the manufacturer's instructions. No other antennas will be mounted within or in close proximity to the aperture of this antenna. Furthermore, there will be no platform or other similar structure at the top of the proposed tower which could possibly distort the directional pattern of this antenna. The maximum proposed effective radiated power in both the horizontal and vertical polarizations will be 3.0 kilowatts. The maximum pattern suppression does not exceed the 15 dB value permitted by Section 73.316 of the FCC Rules. Furthermore, the slope of this pattern does not exceed 2 dB/10 degrees at any point on the pattern.

3/16/92 POSALTVP

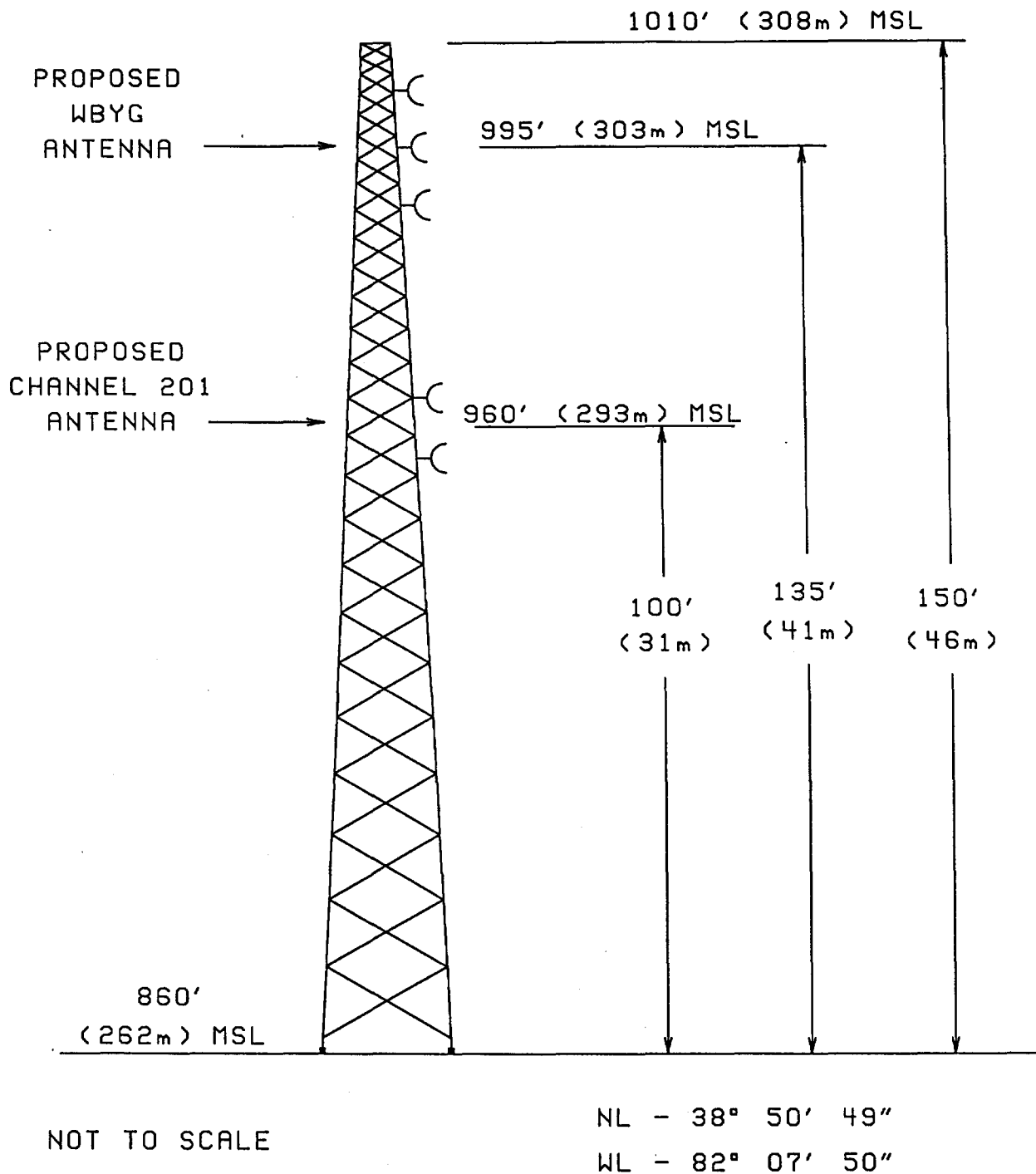


FIG. 3.0

VERTICAL PLAN VIEW

POSITIVE ALTERNATIVE
RADIO, INC.

POINT PLEASANT, WV

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
(216) 659-4440

TABLE 3.1

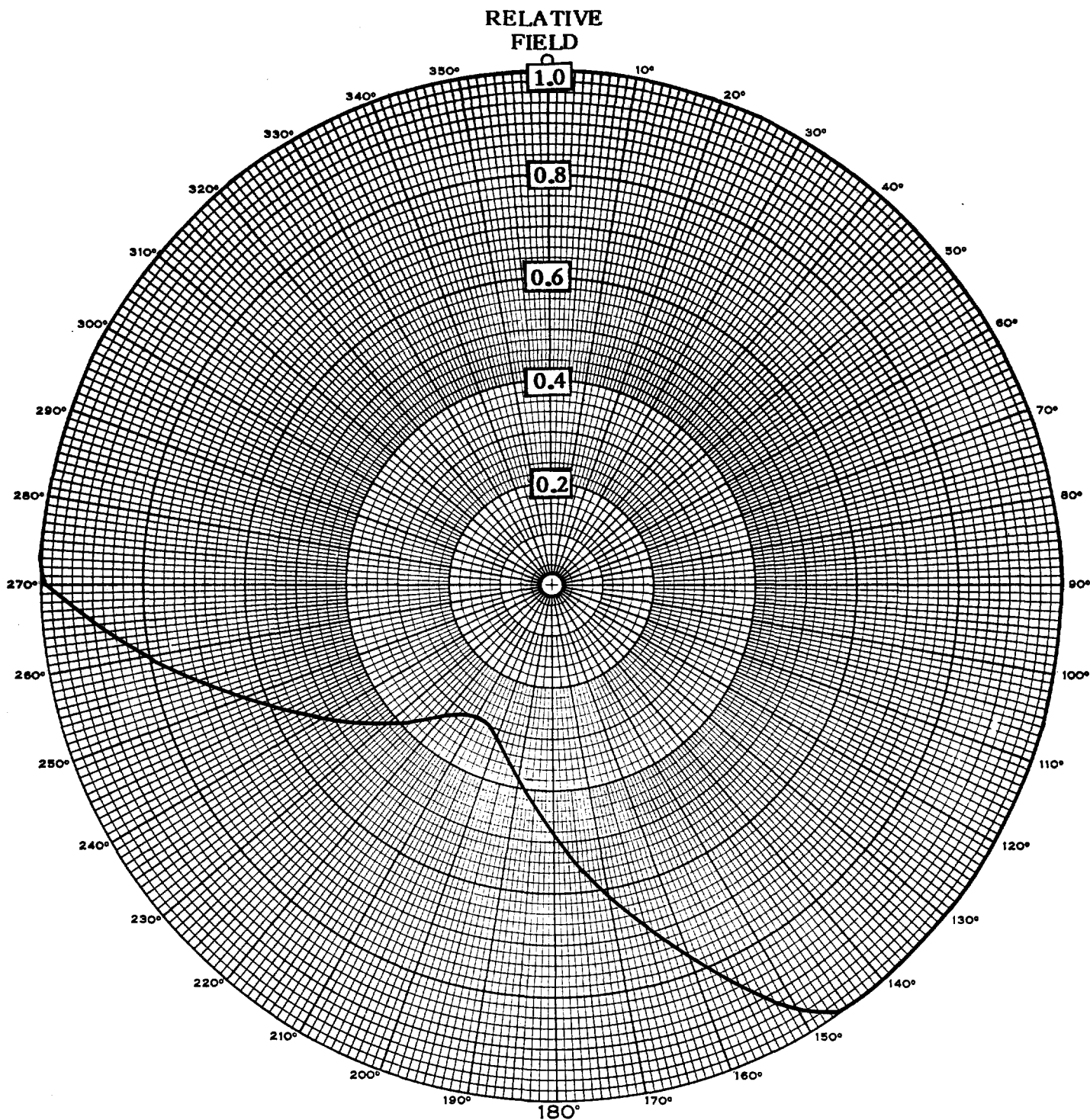
PROPOSED DIRECTIONAL PATTERN

Positive Alternative Radio, Inc.
Point Pleasant, WV

<u>Azimuth (Degrees)</u>	<u>Relative Field</u>	<u>dBk</u>	<u>ERP</u>	<u>kW</u>
0	1.000	4.77		3.00
10	1.000	4.77		3.00
20	1.000	4.77		3.00
30	1.000	4.77		3.00
40	1.000	4.77		3.00
45	1.000	4.77		3.00
50	1.000	4.77		3.00
60	1.000	4.77		3.00
70	1.000	4.77		3.00
80	1.000	4.77		3.00
90	1.000	4.77		3.00
100	1.000	4.77		3.00
110	1.000	4.77		3.00
120	1.000	4.77		3.00
130	1.000	4.77		3.00
135	1.000	4.77		3.00
140	1.000	4.77		3.00
150	0.950	4.33		2.71
160	0.760	2.39		1.73
170	0.610	0.48		1.12
180	0.490	-1.42		0.72
190	0.390	-3.41		0.46

TABLE 3.1 (cont'd)

<u>Azimuth (Degrees)</u>	<u>Relative Field</u>	<u>dBk</u>	<u>ERP</u>	<u>kW</u>
200	0.315	-5.26		0.30
210	0.295	-5.83		0.26
220	0.330	-4.86		0.33
225	0.370	-3.86		0.41
230	0.410	-2.97		0.50
240	0.510	-1.08		0.78
250	0.640	0.89		1.23
260	0.800	2.83		1.92
270	1.000	4.77		3.00
280	1.000	4.77		3.00
290	1.000	4.77		3.00
300	1.000	4.77		3.00
310	1.000	4.77		3.00
315	1.000	4.77		3.00
320	1.000	4.77		3.00
330	1.000	4.77		3.00
340	1.000	4.77		3.00
350	1.000	4.77		3.00



MAXIMUM ERP = 3.0 kW

FIG. 3.1
PROPOSED DIRECTIONAL PATTERN

Positive Alternative Radio, Inc.
Point Pleasant, WV

CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD. BOX 317
BATH, OHIO 44210-0317
216/659-4440



ELEVATION PATTERN
JSCP - 2

DATE: 9/1/79
RMS GAIN= 1

BEAM TILT= 0
NULL FILL= 0%

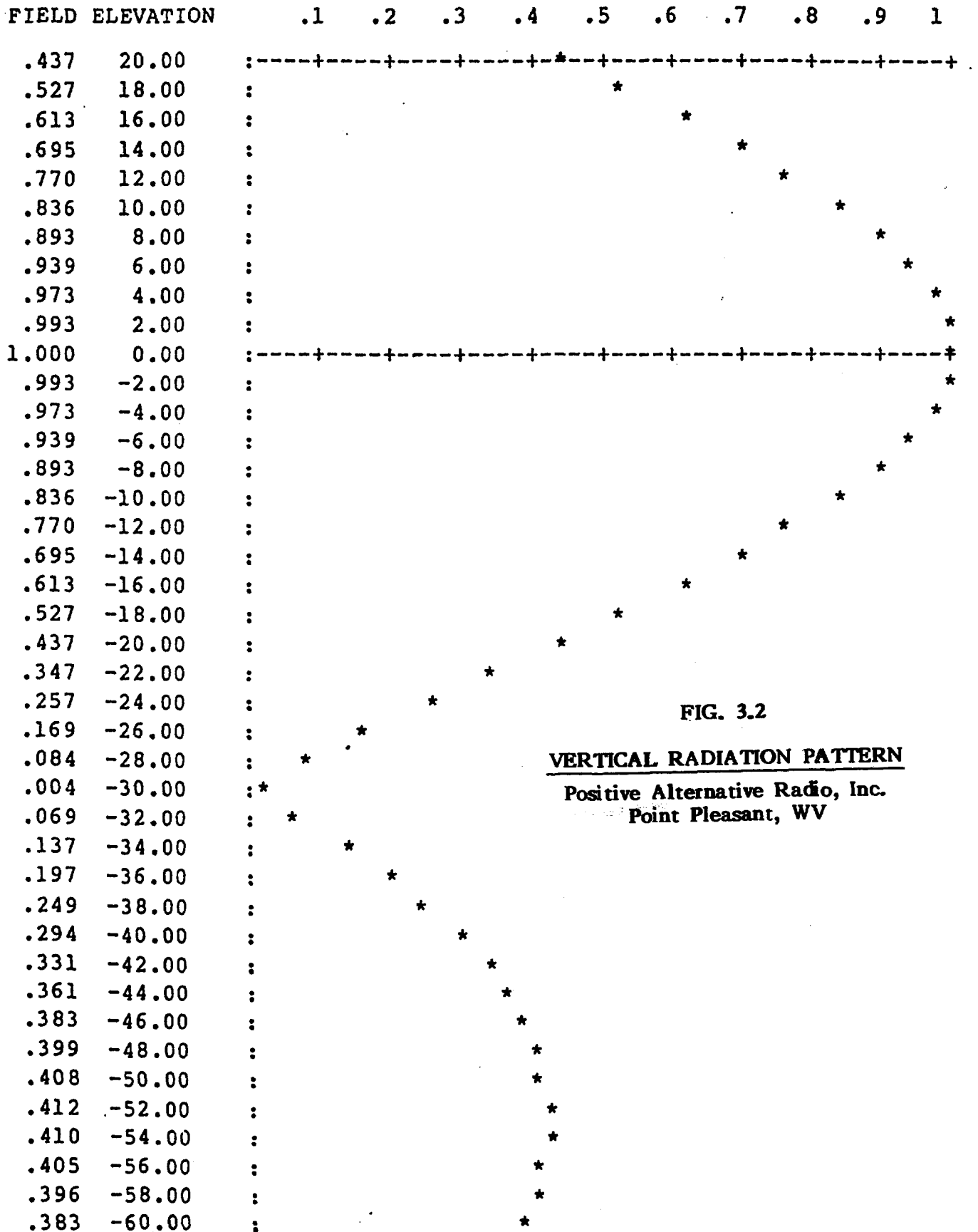


FIG. 3.2

VERTICAL RADIATION PATTERN

Positive Alternative Radio, Inc.
Point Pleasant, WV

4.0 PREDICTED SERVICE CONTOURS

The proposed 1 mV/m contour is listed in Table 4.0. Because a directional antenna is involved, this contour was projected at azimuth intervals of no more than ten degrees, to insure sufficient detail. The average elevation of each radial was extracted from the NGDC 30 second terrain database. Only the eight cardinal radials, however, were used in calculating the overall height above average terrain. Utilizing the above average elevations, the proposed contours were calculated as specified by Section 73.313 of the FCC Rules. These contours are shown on an appropriate map base in Figure 4.0.

The population within the 1 mV/m contour was determined from the 1980 U.S. Census and West Virginia and Ohio minor civil division maps using proportional parts of the civil divisions covered. The land area within the 1 mV/m contour was measured using a polar planimeter. These figures are shown in Paragraph 15 of FCC Form 340, Section V-B.

PROPOSED POINT PLEASANT, WV
60.0 dBu CONTOUR
(FM(50,50) Curves Utilized)

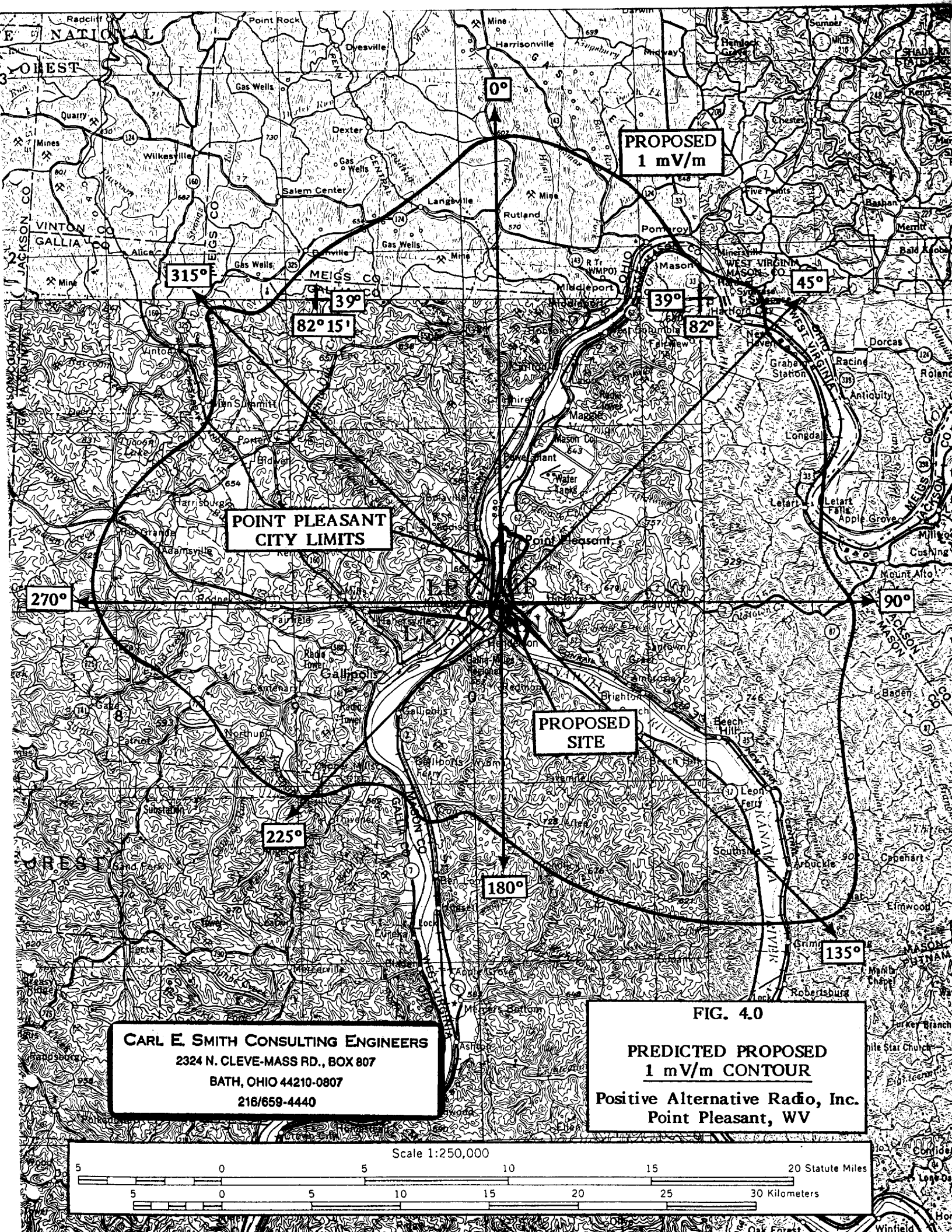
BEARING (Degrees)	AVERAGE TERRAIN ELEVATION	ANTENNA HAAT	----- HORIZONTAL -----			DISTANCE TO
	(meters)	(meters)	RELATIVE FIELD	ERP	CONTOUR	
				(dBk)	(kW)	(km)
0.0 *	176.9	115.7	1.000	4.77	3.000	25.9
10.0	180.6	112.0	1.000	4.77	3.000	25.5
20.0	193.9	98.7	1.000	4.77	3.000	24.1
30.0	209.9	82.7	1.000	4.77	3.000	22.1
40.0	204.0	88.6	1.000	4.77	3.000	22.8
45.0 *	215.0	77.6	1.000	4.77	3.000	21.4
50.0	213.4	79.2	1.000	4.77	3.000	21.6
60.0	217.7	74.9	1.000	4.77	3.000	21.1
70.0	228.7	63.9	1.000	4.77	3.000	19.5
80.0	235.7	56.9	1.000	4.77	3.000	18.5
90.0 *	225.5	67.1	1.000	4.77	3.000	20.0
100.0	226.0	66.6	1.000	4.77	3.000	19.9
110.0	221.6	71.0	1.000	4.77	3.000	20.5
120.0	203.6	89.0	1.000	4.77	3.000	22.9
130.0	177.2	115.4	1.000	4.77	3.000	25.9
135.0 *	182.0	110.6	1.000	4.77	3.000	25.4
140.0	198.4	94.2	1.000	4.77	3.000	23.5
150.0	218.2	74.4	0.950	4.33	2.707	20.5
160.0	223.8	68.8	0.760	2.39	1.733	17.6
170.0	225.8	66.8	0.610	0.48	1.116	15.3
180.0 *	233.4	59.2	0.490	-1.42	0.720	13.0
190.0	230.5	62.1	0.390	-3.41	0.456	11.9
200.0	201.0	91.6	0.315	-5.26	0.298	12.9
210.0	207.0	85.6	0.295	-5.83	0.261	12.1
220.0	196.5	96.1	0.330	-4.86	0.327	13.5
225.0 *	182.2	110.4	0.370	-3.86	0.411	15.4
230.0	180.1	112.5	0.410	-2.97	0.504	16.5
240.0	193.1	99.5	0.510	-1.08	0.780	17.4
250.0	208.7	83.9	0.640	0.89	1.229	17.8
260.0	207.2	85.4	0.800	2.83	1.920	20.2
270.0 *	204.4	88.2	1.000	4.77	3.000	22.8
280.0	205.9	86.7	1.000	4.77	3.000	22.6
290.0	217.2	75.4	1.000	4.77	3.000	21.1
300.0	229.8	62.8	1.000	4.77	3.000	19.4
310.0	219.9	72.7	1.000	4.77	3.000	20.8
315.0 *	203.6	89.0	1.000	4.77	3.000	22.9
320.0	217.3	75.3	1.000	4.77	3.000	21.1
330.0	211.8	80.8	1.000	4.77	3.000	21.8
340.0	208.8	83.8	1.000	4.77	3.000	22.2
350.0	199.6	93.0	1.000	4.77	3.000	23.4

AVERAGE(*) = 202.9 meters

TABLE 4.0

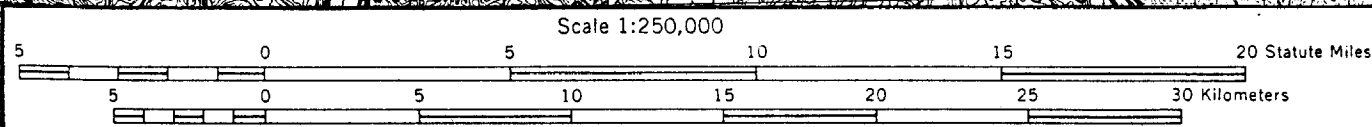
PREDICTED PROPOSED
1 mV/m CONTOUR

Positive Alternative Radio, Inc.
Point Pleasant, WV



CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
216/659-4440

FIG. 4.0
PREDICTED PROPOSED
1 mV/m CONTOUR
Positive Alternative Radio, Inc.
Point Pleasant, WV



5.0 PROPOSED SITE

The proposed transmitter site is located 670 meters northeast of the intersection of State Route 2 and State Route 62 in Point Pleasant, Mason County, West Virginia. Figure 5.0 is a topographic map showing the location of this site.

There are no AM broadcast stations located within 3 kilometers of this site. With the exception of colocated WBYG, there are no FM, TV, or non-broadcast radio facilities located within the immediate vicinity which would be impacted by the proposed construction. It is felt that the low power levels involved and the vertical separation between antennas will make it extremely unlikely that intermodulation or other similar problems will occur between the proposed facilities and WBYG. Should such problems be encountered, however, the applicant will take appropriate steps to eliminate them, including the installation of appropriate filtering circuitry, if required.

Application has been made to the FAA for the proposed construction. A copy of this application is included as a part of this exhibit.

KEY

GALLIPOLIS QUADRANGLE

OHIO - WEST VIRGINIA

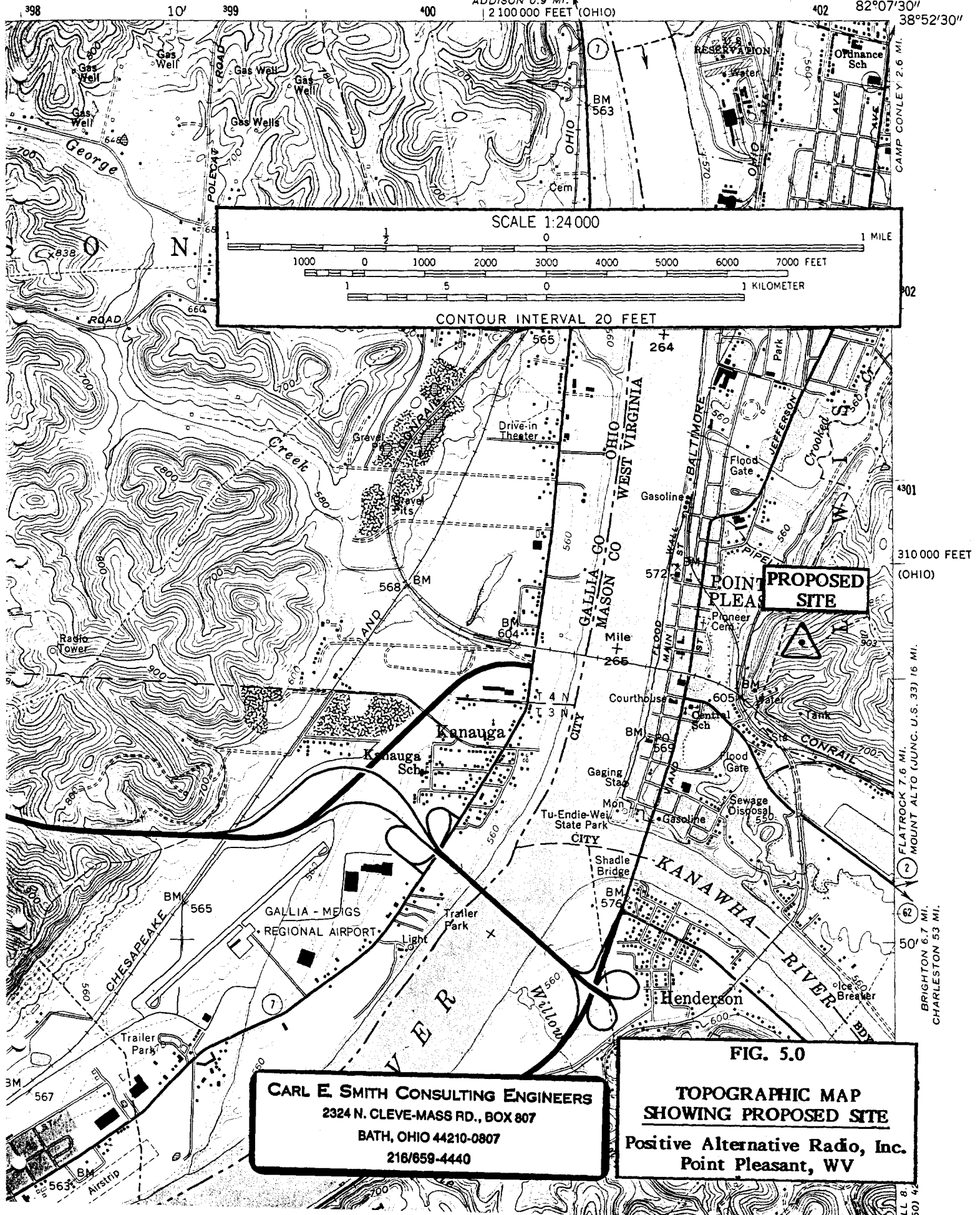
7.5 MINUTE SERIES (TOPOGRAPHIC)

SW 1/4 POINT PLEASANT 15' QUADRANGLE

MIDDLEPORT 11 MI.
ADDISON 0.9 MI.
210000 FEET (OHIO)

4561 INE
(CHESHIRE)

82°07'30"
38°52'30"



CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVE-MASS RD., BOX 807
BATH, OHIO 44210-0807
216/659-4440

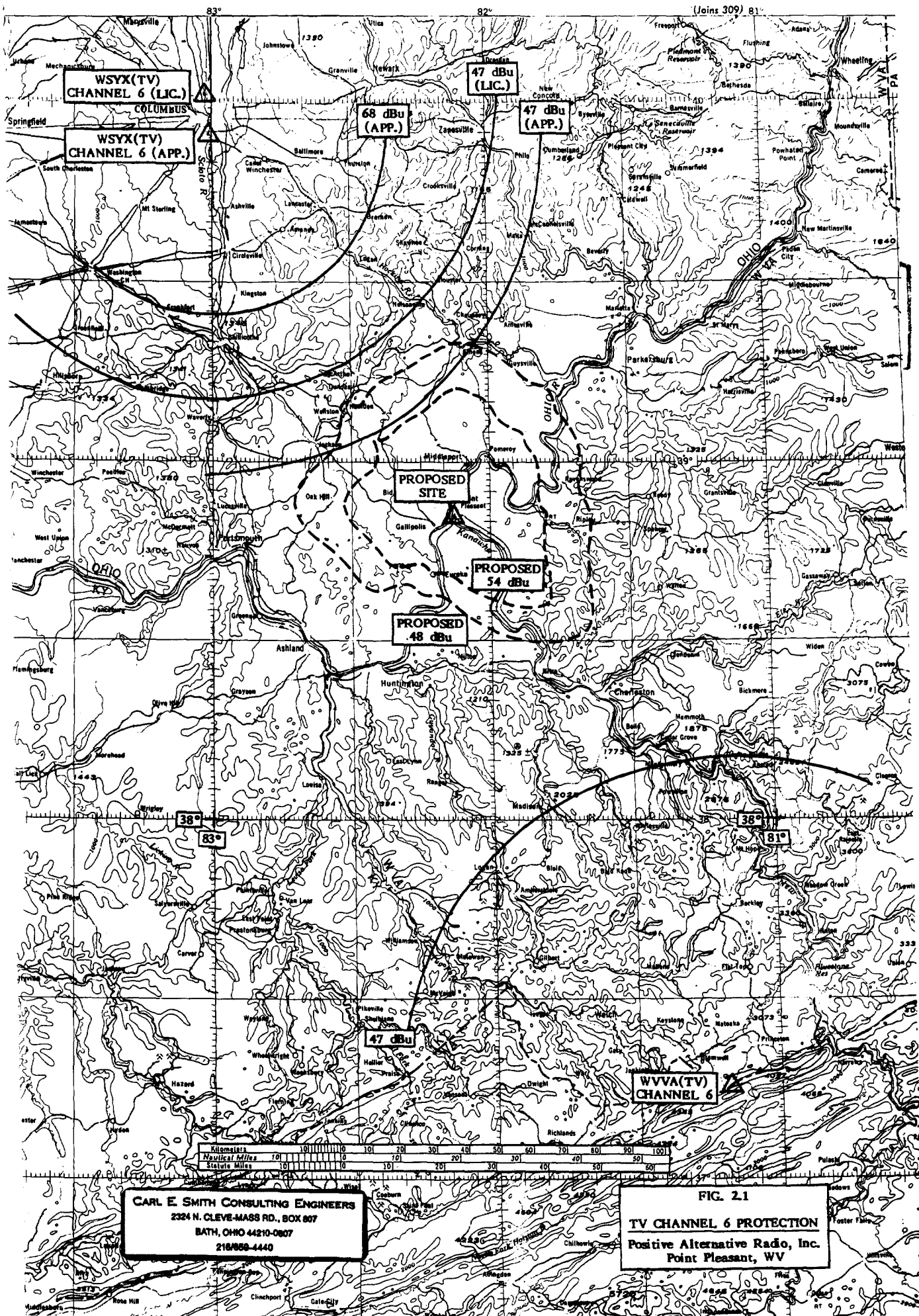
FIG. 5.0

TOPOGRAPHIC MAP
SHOWING PROPOSED SITE

Positive Alternative Radio, Inc.
Point Pleasant, WV

WORLD AERONAUTICAL CHART

revised to ICAO Standards
For ICAO number add 2000 to the chart number



CARL E. SMITH CONSULTING ENGINEERS
2324 N. CLEVELAND RD., BOX 807
BATH, OHIO 44210-0807
216/658-4440

FIG. 2.1

TV CHANNEL 6 PROTECTION
Positive Alternative Radio, Inc.
Point Pleasant, WV

TABLE 2.0

FM ALLOCATION STUDY - CHANNEL 201A (88.1 MHz) - POINT PLEASANT, WV

 POSITIVE ALTERNATIVE RADIO, INC.
 POINT PLEASANT, WV

STUDY COORDINATES: 38/50/49 82/07/50

STATION	LOCATION	CHANNEL	CLASS	SPACING (km)	REQUIRED SPACING*	NOTES
-----	-----	-----	-----	-----	-----	-----
CBEEFM	Chatham, ON	201	A	400.04	132.0	
ALLOTMENT	Paris, ON	202	B	510.16	132.0	10
ALLOTMENT	Sudbury, ON	203	C	855.00	108.0	10
NEW	Windsor, ON	204	C1	376.16	90.0	
WXMF	Mcarthur, OH	254	A	53.22	10.0	2
WXMF	Mcarthur, OH	254	A	55.98	10.0	6
WTUN	Pocatalico, WV	254	A	63.59	10.0	2
WTUN	Pocatalico, WV	254	A	65.53	10.0	1,6
WSIPFM	Paintsville, KY	255	C1	130.58	22.0	

* Required Spacing Per Section 73.207 of The FCC Rules

Notes:

- | | |
|--------------------------------------|-------------------------|
| 1 - Applied For Under Section 73.215 | 6 - Pending Application |
| 2 - Construction Permit | 7 - Proposed Rulemaking |
| 3 - Channel Deletion Proposed | 8 - Rulemaking Petition |
| 4 - Move From This Channel Ordered | 9 - Short-Spaced |
| 5 - Move to This Channel Ordered | 10 - Vacant Allotment |